

外键练习两个表（主表，参考表）

创建 member 表:.....:

```
create table member(
id int(2) primary key auto_increment,
name char(20) not null,
age smallint(2) unsigned,
adr varchar(10) default "贾洼子",
birthday timestamp
)default charset=utf8;
```

```
insert into member(name,age) values
("贾馨然",2),
("李爽",27),
("贾雪岩",28),
("renren",4),
("momo",1);
```

mysql> alter table member engine=innodb;

id	name	age	adr	birthday
1	贾馨然	2	贾洼子	2019-08-17 10:51:46
2	李爽	27	贾洼子	2019-08-17 10:51:46
3	贾雪岩	28	贾洼子	2019-08-17 10:51:46
4	renren	4	贾洼子	2019-08-17 10:51:46
5	momo	1	贾洼子	2019-08-17 10:51:46

创建索引 create index kk on member(name);

Field	Type	Null	Key	Default	Extra
id	int(2)	NO	PRI	NULL	auto_increment
name	char(20)	NO	MUL	NULL	
age	smallint(2) unsigned	YES		NULL	
adr	varchar(10)	YES		贾洼子	
birthday	timestamp	NO		CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP

```
create table salily(
memberid int(2),
name char(20),
salily float(5,2),
workday tinyint(2) unsigned,
foreign key(memberid) references member(id) on update cascade on delete cascade
)engine=innodb default charset=utf8;
```

Field	Type	Null	Key	Default	Extra
memberid	int(2)	YES	MUL	NULL	
name	char(20)	YES		NULL	
salily	float(5,2)	YES		NULL	
workday	tinyint(2) unsigned	YES		NULL	

incorrect table definition; there can be only one auto column and it must be defined as a key
表定义不正确；只能有一个自动列，必须将其定义为键

插入数据参考主表，实时更新（修改主表 ID，附表也实时更新）； update member set id=9 where name=' ' ;

删除数据删除主表，附表也同步更新删除： delete from member where id=4;

```
mysql> create table office22(
  -> id int(5), -----默认 11, 自定义省空间
  -> name varchar(4),-----用多少给多少缺点慢
  -> age int(2) unsigned,-----取正整数
  -> fnum enum("yes","no"),-----单选
  -> primary key(id,name)-----主键
  -> )default charset=utf8;-----表中可以存汉字
```

Office 是表明

删除主键	alter table office22 drop primary key;(必须全删除)
改表名	alter table office22 rename office;
添加自动增加属性	alter table office modify id int(5) primary key auto_increment;
添加字段在行首	alter table office add sex enum("man","weman","no") after name;
添加 index 索引	create index bbb on office(age);
删除索引	drop index bbb on office;
查看索引	show index from office\G;
修改字段名	alter table office change fnum dd enum("yes","no");
	表 旧字段 新名 旧字段属性
删除字段	alter table office drop dd; (dd 是字段名)
改变字段约束条件	alter table office modify age int(3) unsigned;

```
mysql> create table timeup(
  -> name varchar(10) not null,-----不能为空
  -> k1time datetime, -----不会自动赋值
  -> k2time timestamp-----自动赋值当前日期
  -> );
```

MySQL>insert into timeup(name) values ("jia");

name	k1time	k2time
jia	NULL	2019-08-17 14:28:40

插入当前时间 insert into timeup values ("xue",now(),now());

插入自定义时间 insert into timeup values("yan",20180302144425,20110808234526); 自动切割

name	k1time	k2time
xue	2019-08-17 14:44:14	2019-08-17 14:44:14
yan	2018-03-02 14:44:25	2011-08-08 23:45:26

获取当前年	Select year(now());	
获取当前月	Select month(now());	
获取当前天	Select date(now());	curdate()
获取当前时间	Select date(time());	curtime()

枚举类型 enum (1,2,3) 选一个
set (1,2,3) 可以选多个

char (定长)	varchar (自定义长)	text/blob 大文件视屏
int smallint bigint		
float (7,2)	double (5,4)	